



FIG. 1A

10 30 50
CTGCACGAGGACAGATTATCAAGCTCCTCAGTCAACAACACATCACCGAAGAA
70 110
CATGGAAGGAAAGGAATTTTAAAGGAAATACCAATCTCTGTGTGCAACAAGCCCTTGAT
130 170
ATTCAATGTTTGCACCAATCTACTGTGAGATTTATGAAGAAAACAATAATTGCGGACAATC
190 230
TCTATGTACACTTACAAATGCCCTCAGTTGATGCTTGTGGGCTGTTTGTACGCGTTCTGTG
250 290
ATAATGAACACATGGACTTCTGTATTAAATTCAGTTGACCCCTTTAGCCAATTGCCCAG
310 350
GAGCCCTGGATTTTACTTCCAACCTGCTGATATCTGTGTAAATAATTGATCTACATCCACCC
370 410
TTTAAAGCATTGATGAATTAATTAGAACTTTAGACACAAGAAAATAATTGAAAAGAAATC
430 470
TCAGTAAAGCGAATTCGATGTTCAAAACAACAACTACAAAGAGACAAGACTTCTCTGTTTA
490 530
CTTTCTAAGAACTAATAATAATTGCTACCTTAAAGGAAAAAATGAACAGCACATGTATT
M N S T C I
550 570 590
GAAGAACAGGATGACCTGGATCACTATTGTTTCCCATTTGTTTACATCTTTGTGATTATA
E E Q H D L D H Y L F P I V Y I F V I I
610 630 650
GTCAGCATTCAGCCAAATATTGGATCTCTGTGTGTGCTTTCTCTGCAACCCCAAGAGAA
V S I P A N I G S L C V S F L Q P K K E
670 690 710
AGTGAAC TAGGAATTTACCTCTTCAGTTTGTCACTATCAGATTACTCTATGCATTAACT



FIG. 1B

S E L G I Y L F S L S L S D L L Y A L T
730 750 770
CTCCCTTTATGGATTGATTACTTGGAAATAAAGACAACACTGGACTTCTCTCTCCTGCCTTG
L P L W I D Y T W N K D N W T F S P A L
790 810 830
TGCAAAGGGAGTGCTTTTCTCATGTACATGAAGTTTACAGCAGCAGCAGCATTCCTCACC
C K G S A F L M Y M K F Y S S T A F L T
850 870 890
TGCATTGCCCGTTGATCGGTATTTGGCTGTGTCTACCCCTTGGAAGTTTTCCTTAAGG
C I A V D R Y L A V V Y P L K F F L R
910 930 950
ACAAGAAGAAATTGCACATCATGGTCAGCCCTGTCCATCTCGATATGGAACCATCTTCAAT
T R R I A L M V S L S I W I L E T I F N
970 990 1010
GCTGTCAATGTTGTGGGAAGATGAACAGTTGTTGAATATTTGCGATGCCGAAAGTCTAAT
A V M L W E D E T V V E Y C D A E K S N
1030 1050 1070
TTTACTTTATGCTATGACAAATACCCCTTTAGAGAAATGGCAAATCAACCTCAACTGTTC
F T L C Y D K Y P L E K W Q I N L N L F
1090 1110 1130
AGGACGTGTACAGGCTATGCAATACCTTTGGTCACCATCCTGATCTGTAAACCGGAAAGTC
R T C T G Y A I P L V T I L I C N R K V
1150 1170 1190
TACCAAGCTGTGCGCACAAATAAGCCACGGAACAGAAAGAAAGAGAAATCATATAA
Y Q A V R R H N K A T E N K E K R I I K
1210 1230 1250

Replacement Sheet



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FIG. 1C

CTACTTGTGCGCATCACAGTTACTTTTGTCTTATGCTTTACTCCCTTTCATGTGATGTTG
L L V S I T V T F V L C F T P F H V M L
1270 1290 1310
CTGATTCGCTGCATTTTAGAGCATGCTGTGAACCTCGAAGACCACAGCAATTCTGGGAAG
L I R C I L E H A V N F E D H S N S G K
1330 1350 1370
CGAACTTACACAATGTATAGAATCACGGTTGCAATTAACAAGTTTAAATTGTGTGCTGAT
R T Y T M Y R I T V A L T S L N C V A D
1390 1410 1430
CCAATTCTGTACTGTTTGTGTTACCGAAACAGGAAGATATGATGTGGAATATATAAA
P I L Y C F V T E T G R Y D M W N I L K
1450 1470 1490
TTCTGCACTGGGAGGTGTAATACATCACAAAGACAAAGAAACGCATACTTCTGTGTCT
F C T G R C N T S Q R Q R K R I L S V S
1510 1530 1550
ACAAAAGATACTATGGAATTAGAGGTCCTTGAGTAGAACCAAGGATGTTTGAAGGGAAG
T K D T M E L E V L E *
1570 1590 1610
GGAAGTTAAGTTATGCATTATATATCATCATCAAGATTACATTTTGAAGAAATCTAGC
1630 1650 1670
ATGTGAGGGGACTAAGTGTTCTCAGAGTGATGTTTAAATCCAGTCCCAATAAAATATCTT
1690 1710 1730
AAAAGTGCATTGTACAGCTCCCTCCCTGCGTTTATTAAATGATGTATATTAACAAAGA
1750
TCAATATTTTCTT

Replacement Sheet

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4 TCIEEQHDL DHYLFPIVYIFV IIVSIPAN..IGSLCVSFLQPKKESLGI 51
5 DSSHMDSEFRYTLFP IYYSIIFVLGV IANGYVLWVFARLYPCKKFNEIKI 54
52 YLFSLSLDLLYALTPLWIDYTNKDNWTFSPALCKGSAFLMYMKFYSS 101
55 FMVNLTMA DMLFLITLPLWIVYQNGNWILPKFLCNVAGCLFFINTYCS 104
102 TAFLT CIAVD RYLAVVYPLKFFFLRTRRIALMVSLSIWILETIFNAVMLW 151
105 VAF LGVITYNRFQAVTRPIKTAQANTRKRGISLSLVIWVAIVGAASYFLI 154
152 EDET VVEYCD AEKSNFLCYDKYPLEKWQINLNLFR TCTGYAIPLV TILI 201
155 LDSTNTVPDSAGSGNVTRCFEHYEKGSPVLI IHIFIVFSFFLVFLIILF 204
202 CNRK VY...QAVRH NKATENKEKKRI IKLLVSITVTFVLCFTPFHVML 246
205 CNLVIIR TLLMQPVQQORNAEVTG..RALWMVCTVLAVFIICFVPHHVQ 252
247 LIRCILEHAVNFEDHSNGKRTYTM YRITVALTSLNCVADPILYCFVTET 296
253 LPWT LAE..LGFQD.SKFHQAINDAHQVTLCLLSTNCVLDPVIYCFLT KK 299
297 GRYDMWNILKFC TGRCNTSQQRKRILSVSTKDTMELEVLE 337
300 FRKHL..TEKFYSMRSS.....RKCSRATTDVTVEVVVP 331

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FIG. 2